Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	240	(reflection near2 absorption near2 layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/03/10 08:59
L2	1	L1 and (optical with clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 08:59
S1	15	(("4959540") or ("5250816") or ("5293626") or ("5416861") or ("5430567") or ("5434524") or ("5508835") or ("5515194") or ("5537498") or ("5677778") or ("5708671") or ("5812708") or ("5889903") or ("6008918") or ("6125217")).PN.	USPAT; USOCR	OR	OFF	2004/10/19 10:56
S2	100	("6243509" "4473829" "5394490" "5732062" "6004646" "4529275" "4966430" "5216359" "5231281" "5268973" "5317657" "5381235" "5404342" "5530688" "5561656" "5574706" "5574717" "5592322" "5602862" "5602806" "5625620" "5677551" "5684772" "5703855" "5740130" "5793738" "5812519" "5835469" "5848045" "5883863" "5886969" "5889296" "6014348" "6038201" "6052349" "6136402" "6192008" "6240056" "3869572" "4163239" "4363116" "4406939" "4422727" "4427997" "4467340" "4484144" "4526474" "4531814" "4566092" "4580449").pn. ("4633285" "4761775" "4791070" "4814848" "4815856" "4827469" "4835595" "4845425" "4866291" "4866499" "4877680" "4900688" "4911776" "4951280" "4956714" "4956713" RE33356 "4959722" "4965212" "4977096" "4985616" "4992841" "5027216" "5057926" "5210738" "5216657" "5249170" "5321294" "5323374" "5339301" "5365535" "5400304" "5408105" "5408568" "5430567" "5434524" "5469422" "5488239" "5490126" "5510285" "5521992" "5526328" "5578511" "5581094" "5605856" "5636194" "5648952" "5710618" "5723884" "5737108").pn.	USPAT	OR	OFF	2004/10/12 15:11

S3	2	(("6788867") or ("6785458")).PN.	USPAT; USOCR	OR	OFF	2004/10/12 15:11
S4	22	(clad$5 same core$1) and ((vertical with grat$5) same (horizontal with grat$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/12 15:33
S5	9	(US-6788867-$ or US-6785458-$ or US-6243509-$ or US-4966430-$ or US-5416861-$ or US-5708671-$ or US-6031243-$ or US-6330265-$).did. or (US-20030068130-$).did.	US-PGPUB; USPAT	OR	OFF	2004/10/12 15:39
S6	2638	385/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/12 15:54
S7	6	("4169001" | "4699449" | "4758063" | "4772787" | "4871224" | "4904036").PN.	USPAT	OR	OFF	2004/10/12 15:55
S8	44	"4966430".URPN.	USPAT	OR	OFF	2004/10/12 15:56
S9	6	("4682323" | "4871224" | "5157461" | "5255111" | "5263111" | "5276745").PN.	USPAT	OR	OFF	2004/10/12 16:00
S10	33	"5416861".URPN.	USPAT	OR	OFF	2004/10/12 16:01
S11	9	("4801184" | "4802153" | "4948225" | "4955977" | "4991919" | "5058970" | "5070488" | "5131068" | "5179615").PN.	USPAT	OR	OFF	2004/10/12 16:05
S12	14	"5276745".URPN.	USPAT	OR	OFF	2004/10/12 16:05
S13	6	("4682323" | "4871224" | "5157461" | "5255111" | "5263111" | "5276745").PN.	USPAT	OR	OFF	2004/10/12 16:06
S14	33	"5416861".URPN.	USPAT	OR	OFF	2004/10/12 16:06
S15	3	("4966430" | "5159700" | "5200631").PN.	USPAT	OR	OFF	2004/10/12 16:07
S16	32	"5485021".URPN.	USPAT	OR	OFF	2004/10/12 16:07
S17	10	("4730327" | "4831631" | "5046802" | "5079772" | "5349593" | "5349598" | "5390202" | "5416790" | "5446573" | "5471494").PN.	USPAT	OR	OFF	2004/10/12 16:08
S18	3	"5708671".URPN.	USPAT	OR	OFF	2004/10/12 16:09
S19	3	("4658403" | "5202896" | "5337328").PN.	USPAT	OR	OFF	2004/10/12 16:09
S20	13	"6031243".URPN.	USPAT	OR	OFF	2004/10/12 16:10
S21	9	"6243509".URPN.	USPAT	OR	OFF	2004/10/13 08:06

S22	6	("4732446" | "4772787" | "4966430" | "5170448" | "5357122" | "5400419").PN.	USPAT	OR	OFF	2004/10/13 08:07
S23	2	"6351576".URPN.	USPAT	OR	OFF	2004/10/13 08:18
S24	11	("5208879" | "5373570" | "5416861" | "5508835" | "5701374" | "5812708" | "5966478" | "5999670" | "6052498" | "6125217" | "6208791").PN.	USPAT	OR	OFF	2004/10/13 08:18
S25	2	"6351576".URPN.	USPAT	OR	OFF	2004/10/13 08:35
S26	11	("5208879" | "5373570" | "5416861" | "5508835" | "5701374" | "5812708" | "5966478" | "5999670" | "6052498" | "6125217" | "6208791").PN.	USPAT	OR	OFF	2004/10/13 08:35
S27	4	"6393169".URPN.	USPAT	OR	OFF	2004/10/13 08:35
S28	380	optical and (back with side with die)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 08:47
S29	17	(optical and (back with side with die)) and (diffract$5 with grat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 08:52
S30	37	(optical and (back with side with die)) and grat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 08:52
S31	37	((optical and (back with side with die)) and grat$5) not ("5416861". PN. and ("5276745".URPN.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 08:52
S32	20	((optical and (back with side with die)) and grat$5) not ((optical and (back with side with die)) and (diffract$5 with grat$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:02
S33	15669	385/14,15,31-38,49-50,129-132. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:02
S34	1892	385/14,15,31-38,49-50,129-132. ccls. and (diffract$4 near3 grat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:02
S35	408	(385/14,15,31-38,49-50,129-132. ccls. and (diffract$4 near3 grat$5)) and (integrat$4 near3 circuit$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:03

S36	106	((385/14,15,31-38,49-50,129-132. ccls. and (diffract$4 near3 grat$5)) and (integrat$4 near3 circuit$1)) and vertical and horizontal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:03
S37	62	(((385/14,15,31-38,49-50, 129-132.ccls. and (diffract$4 near3 grat$5)) and (integrat$4 near3 circuit$1)) and vertical and horizontal) and core and clad$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:15
S38	8261	core same ((horizontal with horizontal) same (horizontal with vertical))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:16
S39	57	(core same ((horizontal with horizontal) same (horizontal with vertical))) and (diffract$4 with grat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:16
S40	47	((core same ((horizontal with horizontal) same (horizontal with vertical))) and (diffract$4 with grat$5)) not ((((385/14,15,31-38, 49-50,129-132.ccls. and (diffract$4 near3 grat$5)) and (integrat$4 near3 circuit$1)) and vertical and horizontal) and core and clad$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/13 09:17
S41	271	(direction$3 near5 grating$1) same direction$1 same core$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 10:57
S42	16199	core$1 same clad$4 same (layer$1 or planar)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 13:14
S43	45	(core$1 same clad$4 same (layer$1 or planar)) and (("3D" or (three adj dimension$3) or omni$direction$3)) with grating$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 10:59
S44	45	(core$1 same clad$4 same (layer$1 or planar)) and ((("3D" or (three adj dimension$3) or omni$direction$3)) with grating$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 13:41
S45	2	core$1 same clad$4 same (layer$1 or planar) same (fan$out or (fan with out))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 13:15

S46	45	(core$1 same clad$4 same (layer$1 or planar)) and ((("3D" or (three adj dimension$3) or multi$direction$3)) with grating$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 13:43
S47	0	((core$1 same clad$4 same (layer$1 or planar)) and ((("3D" or (three adj dimension$3) or multi$direction$3)) with grating$1)) not ((core$1 same clad$4 same (layer$1 or planar)) and ((("3D" or (three adj dimension$3) or omni$direction$3)) with grating$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 13:43
S48	205	optical with clock with distribution	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 14:38
S49	8	(optical with clock with distribution) with (layer$1 or planar$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 14:20
S50	0	"20040071387".URPN.	USPAT	OR	OFF	2004/10/19 14:19
S51	8	(polygonal with grating$1) and (optical with clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 14:21
S52	33	(optical with clock with distribution) and (cladding$1 same core$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:00
S53	1078	grating$1 with core$1 with cladding$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:01
S54	11	(grating$1 with core$1 with cladding$1) and (optical with clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:01
S55	2130	grating$1 with cladding$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:01
S56	31	(grating$1 with cladding$1) and (optical with clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:03

S57	20	((grating$1 with cladding$1) and (optical with clock)) and planar	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:08
S58	1	write with wavelength with vertical with reflection with absorption	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/19 15:09
S59	19	write with wave$length$1 with reflection$1 with absorption	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/21 08:34
S60	3037	reflection with absorption with layer$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/21 08:34
S61	27	(reflection with absorption with layer$1) and (optical with clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/03/10 08:59
S62	3037	(reflection with absorption with layer$1) and (layer$1 or planar)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/21 08:38
S63	5	(("6807352") or ("6785458") or ("6788867") or ("6690081") or ("6528349")).PN.	US-PGPUB; USPAT	OR	OFF	2005/02/25 14:05
S64	124	((clad or cladding) same core) and (grating same vertical same horizontal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 16:07
S65	10	("5111467" | "5384797" | "5818066" | "6031243").PN. OR ("6330265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 15:48

S66	144	("4007978"	"4114257"	"4240849"	"4609252"	"4630883"	"4749245"	"4750799"	"4755866"	"4762381"	"4776661"	"4787691"	"4871224"	"4969712"	"5009476"	"5054870"	"5054872"	"5059475"	"5061028"	"5104771"	"5159700"	"5170448"	"5179601"	"5192716"	"5194548"	"5208879"	"5208892"	"5219710"	"5219787"	"5220628"	"5237434"	"5247593"	"5249245"	"5263111"	"5268973"	"5317657"	"5332690"	"5352566"	"5358896"	"5371818"	"5375184"	"5394490"	"5416861"	"5428698"	"5444811"	"5459232"	"5465860"	"5469518"	"5488682"	"5500540"	"5513021"	"5513283"	"5521992"	"5525190"	"5541039"	"5546480"	"5555326"	"5561733"	"5562838"	"5568574"	"5581646"	"5594093"	"5611008"	"5621837"	"5638469"	"5652811"	"5658966"	"5659648"	"5708178"	"5723176"	"5751867"	"5757989"	"5761350"	"5764820"	"5770466"	"5770851"	"5796883"	"5801439"	"5817541"	"5818983"	"5835646"	"5854868"	"5902715"	"5917980"	"6017681"	"6054761").PN. OR ("6343171"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 15:52
S67	1	("4013000").PN.	US-PGPUB; USPAT	OR	OFF	2005/02/25 15:52
S68	44	("3753157"	"3908121"	"3990780"	"4369202"	"4394060"	"4425023"	"4453801"	"4455063"	"4455064"	"4470661"	"4523803"	"4637684"	"4693548"	"4707059").PN. OR ("4776661").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 15:53

S69	91	("4776661" | "5061027" | "5101460" | "5164930" | "5193130" | "5200631" | "5237434" | "5266794" | "5268985" | "5276748" | "5295208" | "5410622" | "5412743" | "5419762").PN. OR ("5568574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 15:58
S70	50	("3429040" | "4070516" | "4169001" | "4573067" | "4626878" | "4699449" | "4729618" | "4758063" | "4871224" | "4966430" | "5049982").PN. OR ("5200631"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 15:59
S71	16	("5009476" | "5208879" | "5349599" | "5416861" | "5508835" | "5568574").PN. OR ("5812708").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 16:02
S72	14	("5208879" | "5373570" | "5416861" | "5508835" | "5701374" | "5812708" | "5966478" | "5999670" | "6052498" | "6125217" | "6208791").PN. OR ("6351576"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 16:04
S73	241	((clad or cladding) same core) and grating and (clock or clocking)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 16:22
S74	78	(((clad or cladding) same core) same grating) and (clock or clocking)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 16:08
S75	0	("2004/0071387").URPN.	USPAT	OR	ON	2005/02/25 16:20
S76	163	S73 not S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 16:22
S77	1	("2002/0109074").URPN.	USPAT	OR	ON	2005/02/25 16:30

| S78 | 128 | ("3766370" \| "3802967" \| "4006989" \| "4174422" \| "4284329" \| "4404265" \| "4482906" \| "4484332" \| "4523211" \| "4661176" \| "4777613" \| "4793872" \| "4802182" \| "4815084" \| "4846926" \| "4855249" \| "4876219" \| "4882300" \| "4891091" \| "4896194" \| "4912087" \| "4928154" \| "4963508" \| "4963949" \| "4999842" \| "5051790" \| "5060031" \| "5063166" \| "5081062" \| "5116461" \| "5127067" \| "5141894" \| "5144409" \| "5155658" \| "5159413" \| "5173474" \| "5221367" \| "5225031" \| "5248564" \| "5260394" \| "5270298" \| "5286985" \| "5293050" \| "5310707" \| "5326721" \| "5356831" \| "5358925" \| "5391515" \| "5393352" \| "5404581" \| "5418216" \| "5418389" \| "5436759" \| "5442191" \| "5444016" \| "5450812" \| "5478653" \| "5480829" \| "5482003" \| "5514484" \| "5528414" \| "5556463" \| "5576879" \| "5588995" \| "5606184" \| "5614739" \| "5640267" \| "5670798" \| "5674366" \| "5729394" \| "5729641" \| "5731220" \| "5733641" \| "5735949" \| "5741724" \| "5764676" \| "5777762" \| "5778018" \| "5778116" \| "5790583" \| "5801105" \| "5810923" \| "5825799" \| "5828080" \| "5830270" \| "5857049" \| "5858814" \| "5861966" \| "5874860" \| "5883996" \| "5912068" \| "5926496" \| "5937285" \| "5981400" \| "5990495" \| "5995359" \| "6002375" \| "6008762" \| "6020222" \| "6045626" \| "6055179" \| "6058131" \| "6064078" \| "6064092" \| "6096584" \| "6103008" \| "6107653" \| "6113690" \| "6114996" \| "6121642" \| "6128178" \| "6136666" \| "6137603" \| "6143072" \| "6146906" \| "6173994" \| "6174755" \| "6180252" \| "6180486" \| "6184144" \| | US-PGPUB; USPAT; USOCR | OR | ON | 2005/02/25 16:31 |

| S79 | 116 | ("3529759" \| "4007978" \| "4112196" \| "4114257" \| "4126758" \| "4240849" \| "4609252" \| "4630883" \| "4749245" \| "4750799" \| "4755866" \| "4762381" \| "4776661" \| "4787691" \| "4805038" \| "4846931" \| "4871224" \| "4883561" \| "4892374" \| "4941255" \| "4969712" \| "5009476" \| "5011550" \| "5054870" \| "5054872" \| "5059475" \| "5061028" \| "5073230" \| "5104771" \| "5159700" \| "5170448" \| "5179601" \| "5192716" \| "5194548" \| "5201996" \| "5208879" \| "5208892" \| "5219710" \| "5219787" \| "5220628" \| "5237434" \| "5247593" \| "5249245" \| "5262351" \| "5263111" \| "5268973" \| "5291567" \| "5317657" \| "5332690" \| "5352566" \| "5358896" \| "5371818" \| "5375184" \| "5376229" \| "5394490" \| "5401983" \| "5416861" \| "5428698" \| "5444811" \| "5455202" \| "5459232" \| "5465860" \| "5469518" \| "5488682" \| "5500540" \| "5513021" \| "5513283" \| "5521992" \| "5525190" \| "5534466" \| "5541039" \| "5546480" \| "5555326" \| "5561733" \| "5562838" \| "5568574" \| "5581646" \| "5593917" \| "5594093" \| "5611008" \| "5621837" \| "5638469" \| "5652811" \| "5658966" \| "5659648" \| "5665648" \| "5708178" \| "5723176" \| "5744379" \| "5751867" \| "5757445" \| "5757989" \| "5761350" \| "5764820" \| "5770466" \| "5770851" \| "5796883" \| "5801439" \| "5817541" \| "5818983" \| "5824595" \| "5835646" \| "5854868" \| "5858814" \| "5863809" \| "5902715" \| "5917980" \| "5980831" \| "6017681" \| "6031945" \| "6054761" \| "6091879" \| "6101371" \| "6163957" \| "6290453").PN. OR "6669801").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/02/25 16:33 |

S81	1480	(grating with (clad or cladding) with core)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 17:07
S82	302	(grating same ((first and second) with (clad or cladding)) same core)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 17:07
S83	13	S81 and (optical with clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 08:59
S84	12	S82 and (optical with clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 17:07